

IN THE CLAIMS:

Please replace the claims with the following; noting that additions are shown underlined and deletions are shown with strike-through:

Sbc'> 1. (Currently Amended) An entryway system that can adjust a slab mounted within a frame and maintain a sealed system to exterior weather when closed, the entryway system comprising:

(a) a frame comprising a peripheral weather strip positioned substantially on the entirety of both sides and the bottom of the frame, the frame bottom additionally comprising a threshold member joined to the frame with an end cap corner key positioned between the frame and the threshold member, the threshold member forming a tank such that the threshold member can accumulate and drain environmental water to the exterior of the frame; and

(b) ~~a~~ the slab including an adjustable hinge, said hinge being vertically and horizontally adjustable to sealingly match the slab periphery to the peripheral weather strip.

2. (Currently Amended) The ~~system entryway~~ of claim 1 wherein the weather strip is positioned on the top of the frame.

3. (Previously Presented) The system of claim 1 wherein the weather strip is a V-shaped resilient weather strip having a base, the base of the V-shaped weather strip being configured as a hinge member for permitting sealing compression of the weather strip.

4. (Previously Presented) The system of claim 1 wherein the end cap corner key is a first end cap corner key, and wherein the threshold member comprises an extruded aluminum threshold member having a drain exposed to the exterior, the threshold member having first and second open ends, the first open end being sealed with the first end cap corner key and the second open end being sealed with a second end cap corner key, each of the end cap corner keys comprising:

(a) a sealing element to prevent water leakage from the open ends of the threshold member;

(b) a flange extending from the end cap corner key and positioned to support the sides of the frame; and

(c) a positioning structure configured to sealingly position the end cap corner key at the open end of the threshold member.

5. (Previously Presented) The system of claim 4 wherein the sealing element of the end cap corner key is a resilient seal.

6. (Previously Presented) The system of claim 4 wherein the sealing element of the end cap corner key is a polymeric elastomer seal.

7. (Previously Presented) The system of claim 6 wherein the polymeric elastomer seal comprises a foamed polymeric elastomer seal.

8. (Previously Presented) The system of claim 1 wherein the adjustable hinge includes a shim configured to horizontally adjust the slab to sealingly match the slab periphery to the peripheral weather strip.

9. (Previously Presented) The system of claim 8 wherein the shim of the adjustable hinge is positioned within the sash.

10. (Previously Presented) The system of claim 8 wherein the shim of the adjustable hinge is positioned within the jamb.

11. (Previously Presented) The system of claim 8 wherein adjustable hinge includes a mechanical adjustment configured to vertically adjust the slab to sealingly match the slab periphery to the peripheral weather strip.

12. (Previously Presented) The system of claim 1 wherein the adjustable hinge comprises a two-knuckle hinge.

13. (Previously Presented) The system of claim 12 wherein the two-knuckle hinge has an upper knuckle and a lower knuckle, the upper knuckle being supported by a pin that is adjustable in the vertical dimension.

14. (Previously Presented) The system of claim 13 wherein the pin of the tow-knuckle hinge is configured to move through an adjustment range of about 0.2 to 10 mm.

15. (Previously Presented) The system of claim 13 wherein the pin of the two-knuckle hinge is configured to move through an adjustment range of about 0.5 to 5 mm.

16. (Withdrawn) A threshold structure for an entryway door, the structure comprising an threshold assembly comprising a water drain system associated with a water tank, a weather strip associated with a mounting means for the weather strip, an interior base for a trim member, a trim member, the ends of the threshold assemblies sealed using a corner key end cap structure and a threshold gasket positioned therebetween to maintain the water tank integrity.

17. (Withdrawn) The threshold system of claim 16 wherein the threshold comprises extruded aluminum.

18. (Withdrawn) The threshold system of claim 16 wherein the trim member comprises a wooden member.

19. (Withdrawn) The threshold of claim 16 wherein the corner key end cap additionally comprises an extended support means and attachment means for a side jamb framing member.

20. (Withdrawn) The threshold of claim 16 wherein the water tank comprises a depth of less than about 25 millimeters that can maintain a water head with a depth of less than about 20 millimeters in response to a normal force from a wind velocity of 60 km-sec⁻¹.

21. (Withdrawn) The threshold of claim 16 wherein the sill gasket comprises a thermoplastic.

22. (Withdrawn) The threshold of claim 16 wherein the sill gasket comprises a foamed sill gasket.

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23. (Withdrawn) The threshold of claim 16 wherein the interface between the corner key end cap and the side jamb framing and the interface between the corner key end cap and the threshold both contain sill gasket.

24. (Withdrawn) The threshold of claim 16 wherein the threshold comprises attachment means such that the corner key end cap can be assembled with the threshold and sill gasket using a fastener that interacts with the attachment means.

25. (Withdrawn) The threshold of claim 16 wherein the corner key comprises positioning means such that the corner key is fixed at a single location on the threshold with the fastener.

26. (Withdrawn) An adjustable hinge for an entryway door system, the adjustable hinge comprising:

- (a) a shim assembly comprising a shim frame and at least one shim insert; and
- (b) a two knuckle hinge with an upper knuckle and a lower knuckle, the upper knuckle supported and hingedly mounted on a pin extending vertically from the lower knuckle, the pin having adjustment means in the vertical direction.

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27. (Withdrawn) The hinge of claim 26 wherein the shim has a thickness of at least 1 millimeter.
28. (Withdrawn) The hinge of claim 26 wherein the hinge system comprises a shim base and two or more shims.
29. (Withdrawn) The hinge of claim 26 wherein the shim frame comprises a peripheral edge stop holding the shim with the frame.
30. (Withdrawn) The hinge of claim 26 wherein the hinge frame is a rectangular frame adapted for installation into a rectangular opening in a door frame structure.
31. (Withdrawn) The hinge of claim 30 wherein the hinge frame has a thickness of about 1 to 3 millimeters.
32. (Withdrawn) The hinge system of claim 26 wherein the adjustable pin is adjustable through a range of about 0.1 to about 6 centimeters using a screw adjustment.
33. (Withdrawn) The hinge system of claim 26 wherein the adjustable screw driven by an Allen wrench.
34. (Withdrawn) A threshold system in an entryway system that can maintain a seal of an interior space to weather from an exterior, the threshold system comprising:

(a) threshold having a tank and a drain exposed to the exterior;

(b) a jamb; and

(c) an end cap corner key positioned between the jamb and the threshold, said jamb comprising sealing means between the end cap and the threshold that ensures integrity to a tank formed within the threshold sealed by the end cap;

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wherein the end cap comprises a support extending from the end cap corner key that forms a barrier to the passage of environmental water into the jamb, said end cap further comprising a alignment tab that cooperates with threshold to ensure the appropriate installation of the end cap corner key.

35. (Withdrawn) The threshold system of claim 34 wherein the threshold comprises extruded aluminum.

36. (Withdrawn) The threshold system of claim 34 wherein the end cap corner key comprises one or more fastener apertures and the alignment tab cooperates with the tread surfaces of the threshold.

37. (Withdrawn) The threshold system of claim 34 wherein a gasket is placed between the end cap corner key and the threshold.

38. (Withdrawn) The threshold system of claim 34 wherein the end cap corner key comprises a molded sealant placed such that the molded sealant contacts an open end of the threshold to form a watertight seal.

39. (Withdrawn) The threshold system of claim 34 wherein the end cap comprises a support extending beneath both the jamb and the threshold.

40. (Previously Presented) An entryway system that can adjust a slab within a frame and maintain a sealed system to exterior weather when closed, the system comprising an entryway comprising:

(a) a frame comprising a header, a threshold, an end cap corner key, and at least one jamb, the threshold including:

- (i) a water tank configured to drain environmental water to the exterior of the frame; and
- (ii) a sealing element positioned between the end cap corner key and the water tank to seal the water tank; and

(b) a slab mounted on the frame, said slab comprising a mortised hinge arrangement, said arrangement comprising a shim and a two-knuckle hinge, the two-knuckle hinge being adjustable in the vertical dimension.

41. (Previously Presented) The system of claim 40 wherein the two-knuckle hinge is horizontally adjustable using the shim.

42. (Previously Presented) The system of claim 41 wherein the shim is positioned in the slab.

43. (Previously Presented) The system of claim 41 wherein the shim is positioned in the jamb.

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44. (Previously Presented) The system of claim 40 wherein the hinge is vertically adjusted by a mechanical adjustment, and is horizontally adjusted by the shim.

45. (Withdrawn) The threshold system of claim 16 wherein the threshold comprises aluminum.

46. (Withdrawn) The threshold system of claim 16 wherein the extruded trim member comprises a wooden member.

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47. (Previously Presented) An entryway system comprising:

- (a) a frame including a header, side jambs, and a threshold, each of the header, side jambs, and threshold defining a perimeter, the threshold including a water tank configured to accumulate and drain environmental water to an exterior of the frame;
- (b) first and second end caps secured to first and second ends of the threshold;
- (c) a seal positioned along the perimeter of the frame;
- (d) a door mounted on the frame, the door including a mortised hinge arrangement adjustable in a horizontal direction and a vertical direction to provide sealing contact between the door and the seal positioned along the perimeter of the frame, the mortised hinge arrangement including:
 - (i) a transition block mounted to the door;
 - (ii) a shim positioned adjacent to the transition block; and
 - (iii) an adjustable hinge positioned adjacent to the shim, the adjustable hinge being adjustable in the vertical direction.

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48. (Previously Presented) The entryway system of claim 47 wherein the transition block includes an insert aperture and the shim includes a tab extending from an edge of the shim, the tab of the shim being positioned within the insert aperture of the transition block for temporarily securing the shim within the transition block.
